

Product name	CoolPoly® D3612 NAT***		EUGB/EN
MSDS number	870023	Revision Date	Oct.09.2015
Revision Number	0.01***	Issuing date	Oct.09.2015***

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Product name

**CoolPoly® D3612 NAT\*\*\***

The following SDS applies to products described by combinations of the following trade name, product grade and color code listed below.\*\*\*

**REACH Registration Number**

This product is a mixture and therefore not directly subject of the registration requirements under REACH.

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses**

Plastic processing industry.\*\*\*

### **1.3. Details of the supplier of the safety data sheet**

**Celanese Production Germany GmbH & Co. KG**

Am Unisys-Park 1  
65843 Sulzbach (Taunus)  
Germany\*\*\*

**Celanese Sales Germany GmbH**

Am Unisys-Park 1  
65843 Sulzbach (Taunus)  
Germany\*\*\*

**SDS Contact (email of responsible person)**

HazCom@celanese.com\*\*\*

### **1.4. Emergency telephone number**

CHEMTREC: +1 703 527 3887 (Collect calls accepted)

\*\*\*

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

**Classification according to Regulation 1272/2008/EC (CLP)**

Not a hazardous substance or preparation according to Regulation 1272/2008 (CLP)\*\*\*

### **2.2. Label elements**

Not required\*\*\*

### **2.3 Other Hazards**

The mixture does not meet the criteria for PBT / vPvB according to REACH, Annex XIII\*\*\*

**Safety data sheet**  
**according to regulation (EC) Nr. 1907/2006**



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**SECTION 3: Composition/information on ingredients**

**Chemical characterization** Nylon 6,6 or Poly[Imino(1,6-Dioxo-1,6-Hexanediyl)Imino-1,6-Hexanediyl]; Polyhexamethylene Adipamide; CAS-RN: 32131-17-2 with flame retardant\*\*\*

**3.1. Substances** not applicable\*\*\*

**3.2. Mixtures** Details provided in the tables below\*\*\*

Components	CAS-No	EC-No.	Identification Number	Percent %
Boron oxide	1303-86-2	215-125-8	005-008-00-8	< 0.2
Polycaprolactam (PA6)	25038-54-4	none	xxx***	40 - 50
Zinc borate; Boron zinc oxide (B6Zn2O11); Boric acid (H4B6O11), zinc salt (1:2); Hexaboron dizinc undecaoxide; zinc, boron, oxygen(-2) anion	12767-90-7	235-804-2	xxx	< 1.0

**Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures, Annex VI, Table 3.1**

Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures, Annex VI, Table 3.1\*\*\*

Components	1272/2008/EC (CLP)	Hazard Statements
Boron oxide	Reproductive toxicity - Category 1B	H360
Polycaprolactam (PA6)	Not a dangerous substance according to GHS	--
Zinc borate; Boron zinc oxide (B6Zn2O11); Boric acid (H4B6O11), zinc salt (1:2); Hexaboron dizinc undecaoxide; zinc, boron, oxygen(-2) anion	Acute aquatic toxicity - Category 1 Chronic aquatic toxicity - Category 2 Serious eye damage / eye irritation - Category 2 Reproductive toxicity - Category 2	H319 H400 H411 H361d

**Substance of very high concern (SVHC)**

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)\*\*\*

**Remarks** For the full text of the H-statements mentioned in this Section, see Section 16\*\*\*

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors. Get medical attention immediately if symptoms occur***
<b>Skin</b>	Cool skin rapidly with cold water after contact with molten polymer. Do not peel solidified product off the skin. Immediate medical attention is required***
<b>Eyes</b>	Call a physician if irritation persists. Immediately flush eye(s) with plenty of water***

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**Ingestion** If swallowed, do not induce vomiting - seek medical advice\*\*\*

## 4.2. Most important symptoms and effects, both acute and delayed

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**Main symptoms** None known

## 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Foam, Dry powder, Water\*\*\*

### 5.2. Special hazards arising from the substance or mixture

Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)\*\*\*

### 5.3. Advice for firefighters

#### **Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus and protective suit\*\*\*

#### **Other Information**

Keep people away from and upwind of fire.\*\*\*

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

No special handling advice required\*\*\*

### 6.2. Environmental precautions

No special environmental precautions required\*\*\*

### 6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment\*\*\*

### 6.4. Reference to other sections

Consult trained personnel. Consider the information for "Personal Protection" in chapter 8 of this Safety Data Sheet\*\*\*

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Hygiene measures**

When using, do not eat, drink or smoke Wash hands before breaks and at the end of workday.\*\*\*

#### **Advice on safe handling**

Provide adequate ventilation\*\*\*

#### **Protection - fire and explosion:**

Potential dust explosion hazard. Keep away from sources of ignition - No smoking\*\*\*

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## 7.2. Conditions for safe storage, including any incompatibilities

### Material storage

Keep in a dry, cool and well-ventilated place\*\*\*

### Technical measures/Storage conditions

Keep in a cool, well-ventilated place\*\*\*

### German storage class

11: Combustible solids\*\*\*

## 7.3. Specific end use(s)

None known

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### National occupational exposure limits

#### DNELs

This product is a mixture and therefore not directly subject of the registration requirements under REACH.\*\*\*

#### PNECs

This product is a mixture and therefore not directly subject of the registration requirements under REACH.\*\*\*

## 8.2. Exposure controls

### Engineering measures

General: May not be adequate as the sole means to control employee exposure.  
Local Exhaust: Recommended when appropriate to control employee exposure to dust or process vapors\*\*\*

### Personal protective equipment

#### Hygiene measures

When using, do not eat, drink or smoke Wash hands before breaks and at the end of workday.\*\*\*

#### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment\*\*\*

#### Eye protection

safety glasses with side-shields\*\*\*

#### Hand protection

protective gloves\*\*\*

#### Suitable material Type

Butyl-rubber \*\*\*  
Butoject\*\*\* (Company KCL) or comparable article;  
or refer to glove manufacturer's recommendation\*\*\*

#### Evaluation

according to EN 374: level 6\*\*\*\*\*

#### Material thickness

approx. 0,3\*\*\* mm\*\*\*

#### Break through time

480 min\*\*\*

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## Environmental exposure controls

Do not discharge into the drains/surface waters/groundwater\*\*\*

## Environmental Precautions

Should not be released into the environment\*\*\*

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Form pellets\*\*\*  
Color grey\*\*\*  
Odor slight \*\*\*

Flash point Not applicable  
Ignition temperature No data available\*\*\*  
Decomposition not determined\*\*\*  
Temperature  
Lower explosion limit not applicable\*\*\*  
Upper explosion limit not applicable\*\*\*  
Flammability (solids) not applicable\*\*\*  
Melting point/range 200 - 250\*\*\*°C not applicable\*\*\*  
Density Not Determined  
Vapor pressure not determined\*\*\*  
Water solubility not determined\*\*\*  
Solubility in other solvents not determined\*\*\*  
Partition coefficient not determined\*\*\*  
(n-octanol/water)  
Conductivity Not determined.\*\*\*  
VOC Content(%) None\*\*\*  
Explosive Properties not applicable\*\*\*  
Oxidizing Properties not applicable\*\*\*  
Surface Tension not determined\*\*\*

9.2. Other information The product was not tested for properties not listed on the MSDS.\*\*\*

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions\*\*\*

### 10.2. Chemical Stability

Thermal decomposition can take place above 320\*\*\*°C\*\*\*

### 10.3. Possibility of hazardous reactions

None anticipated.

### 10.4. Conditions to avoid

Flame. Avoid temperatures above 400\*\*\*°C\*\*\*

### 10.5. Incompatible Materials

None known\*\*\*

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## 10.6. Hazardous decomposition products

No hazardous decomposition products are known\*\*\*

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

When handled appropriately, even after long years of experience with this product, no adverse health effects are known. Observe the usual hygienic measures for handling chemicals. Toxicological data are not available\*\*\*

## SECTION 12: Ecological information

Ecotoxicological data are not available. According to experience, the material has no harmful effect on the environment. Do not discharge product unmonitored into the environment\*\*\*

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Product information</b>	Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal***
<b>Uncleaned empty packaging</b>	Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse***

## SECTION 14: Transport information

ADR/RID Not regulated \*\*\*

ADN Not regulated \*\*\*

ICAO/IATA Not restricted\*\*\*

IMDG Not regulated \*\*\*

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>WGK Class</b>	nwg***
<b>WGK Reg. No.</b>	766***
<b>WGK Source</b>	Classification according to VwVwS, Annex 1 or 2***

### 15.2 Chemical Safety Assessment

Chemical Safety Assessment (CSA) is not required

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## Authorization - Reach Regulation, Title VII

This substance is not subject to authorization requirements\*\*\*

Zinc oxide 1314-13-2

<b>ISR Release to Air List</b>	Listed.
<b>ISR Releases to Sewer List</b>	Listed.
<b>ISR Releases to Controlled Water and Land</b>	Listed.

## SECTION 16: Other information

### Hazard statements

H360 - May damage fertility or the unborn child

H319 - Causes serious eye irritation

H400 - Very toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

H361d - Suspected of damaging the unborn child

\*\*\*

### Other Information:

- Observe national and local legal requirements
- Except as otherwise noted, all of the trademarks referenced herein are owned by Ticona or its affiliates. \*\*\*

Changes against the previous version are marked by \*\*\*\*\*

### Training advice

When wearing a breathing apparatus, the need for appropriate training needs to be considered. Training advice\*\*\*

### Sources of key data used to compile the datasheet

Information contained in this safety data sheet is based on Celanese owned data and public sources deemed valid or acceptable.\*\*\*

### Further information

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements.\*\*\*

### Abbreviation and Acronym:

ADR = Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS = Chemical Abstracts Service (division of the American Chemical Society)

CLP = Classification, Labelling and Packaging

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial Chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IMO)

ICAO = International Civil Aviation Organization

IMDG = International Maritime Code for Dangerous Goods\*\*\*

## Annex: Exposure Scenario(s)

Development of Exposure Scenario is not required

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